

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P730904

Luminaire Tested: **HBLED-LD5-30SE-W-AI-UNV-L735**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730904
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23765)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-30SE-W-AI-UNV-L735
Description: 30000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND PRISMATIC ACRYLIC LENS INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28119.0 lumens
Efficiency: N/A
Efficacy: 148.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.16 / 1.26
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

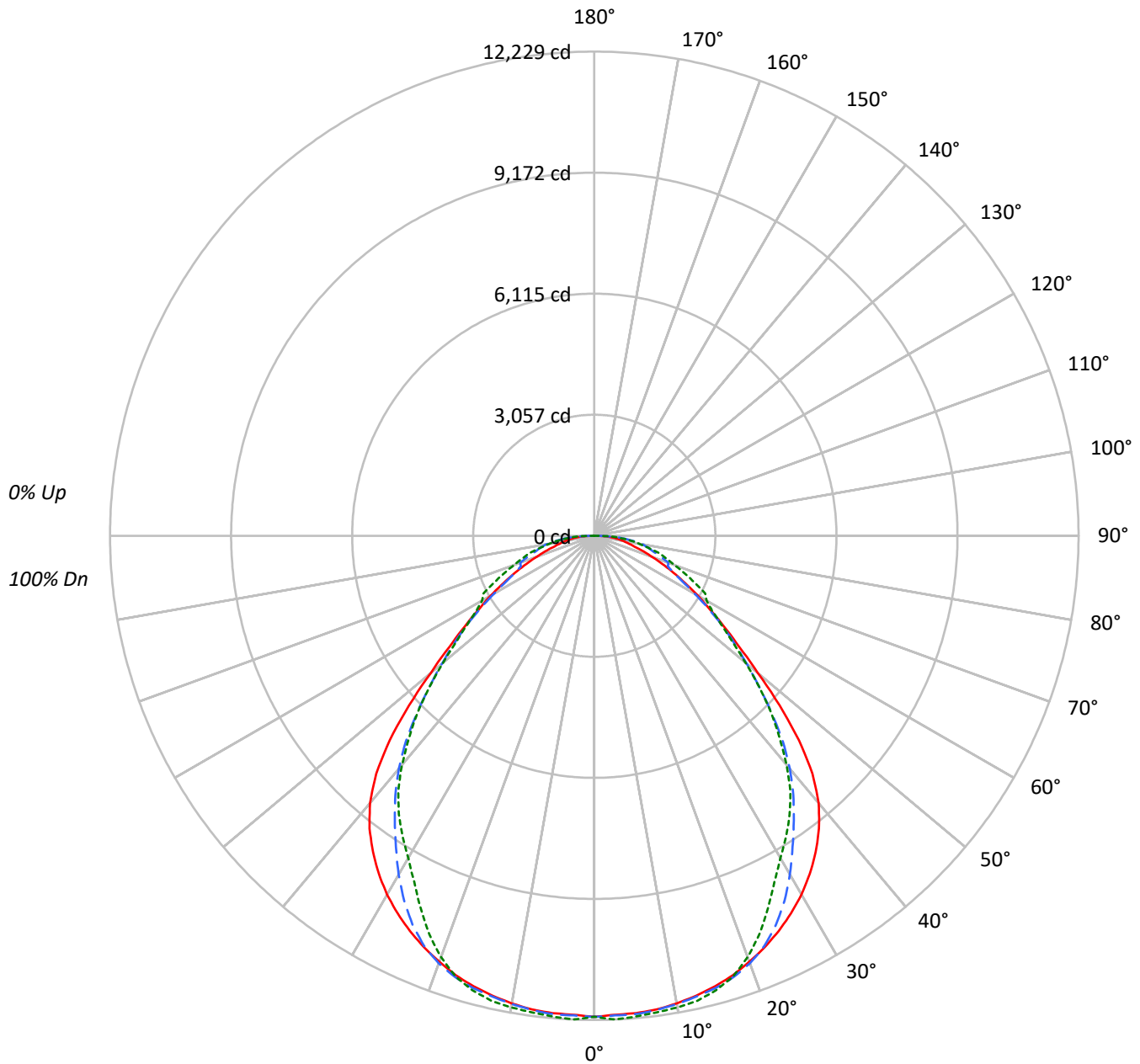
Input Watts (W): 190
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	63		
4	85	74	66	59	83	73	65	59	70	64	58	68	62	57	66	61	57	55		
5	79	67	58	52	77	66	58	52	64	57	51	62	55	51	60	54	50	48		
6	73	61	52	46	71	60	52	46	58	51	45	56	50	45	55	49	45	43		
7	68	55	47	41	66	54	47	41	53	46	41	52	45	40	50	44	40	38		
8	64	51	43	37	62	50	42	37	49	42	37	48	41	36	46	41	36	34		
9	60	47	39	34	58	46	39	33	45	38	33	44	38	33	43	37	33	31		
10	56	43	36	31	55	43	35	31	42	35	30	41	35	30	40	34	30	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19614	19614	19614
5°	19614	19656	19752
10°	19662	19687	19831
15°	19692	19766	19863
20°	19672	19746	19453
25°	19623	19329	18488
30°	19507	18417	17519
35°	19213	17310	16949
40°	18571	16185	15918
45°	16692	14452	14399
50°	13538	12588	12502
55°	11241	11032	11028
60°	9733	9449	10563
65°	8435	8382	10648
70°	7273	9403	10150
75°	6522	9638	10581
80°	6779	11345	10616
85°	7695	13075	12130



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1156.7	4.1
10°-20°	3340.6	11.9
20°-30°	4961.4	17.6
30°-40°	5632.6	20.0
40°-50°	5035.3	17.9
50°-60°	3481.4	12.4
60°-70°	2297.3	8.2
70°-80°	1549.8	5.5
80°-90°	663.8	2.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	9458.7	33.6
0°-40°	15091.3	53.7
0°-60°	23608.1	84.0
0°-90°	28119.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28119.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12148	12148	12148	12148	12148	
5°	12102	12176	12128	12177	12187	###
15°	11781	11837	11825	11891	11883	3325
25°	11015	11119	10850	10526	10378	5075
35°	9748	9543	8782	8654	8599	6079
45°	7310	6691	6329	6378	6306	5559
55°	3993	3646	3919	3864	3918	3627
65°	2208	1960	2194	2566	2787	2203
75°	1046	1315	1545	1651	1696	1142
85°	415	578	706	710	655	433
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12148.3	12148.3	12148.3	12148.3	12148.3
2.5°	12107.0	12182.7	12126.3	12178.6	12229.4
5°	12101.5	12175.8	12127.6	12177.1	12186.8
7.5°	12067.1	12135.8	12079.4	12127.6	12138.6
10°	11992.8	12074.0	12007.9	12082.2	12096.0
12.5°	11896.6	11979.1	11921.2	12023.0	12028.6
15°	11781.0	11837.4	11825.0	11891.0	11882.8
17.5°	11635.1	11699.9	11690.2	11706.6	11668.2
20°	11449.4	11522.3	11492.1	11416.4	11321.5
22.5°	11250.0	11338.0	11218.4	11027.2	10893.7
25°	11014.7	11119.3	10849.7	10526.4	10377.8
27.5°	10754.7	10848.3	10399.8	10003.7	9849.6
30°	10463.1	10502.9	9878.4	9501.5	9396.9
32.5°	10126.0	10068.3	9321.3	9072.3	9011.8
35°	9747.8	9542.8	8782.1	8654.1	8599.1
37.5°	9321.3	8945.8	8249.8	8190.6	8132.7
40°	8811.0	8256.5	7678.8	7640.4	7552.2
42.5°	8152.1	7506.8	7044.6	6999.2	6920.8
45°	7310.2	6691.1	6329.3	6377.5	6305.9
47.5°	6341.6	5872.6	5642.9	5775.0	5642.9
50°	5389.7	5074.8	5011.5	5131.2	4977.1
52.5°	4609.7	4326.4	4457.1	4477.7	4385.6
55°	3993.4	3645.5	3919.2	3864.2	3917.8
57.5°	3457.0	3067.6	3404.7	3341.4	3525.8
60°	3014.0	2576.6	2926.0	2912.2	3271.2
62.5°	2579.4	2230.0	2510.5	2712.8	3154.3
65°	2207.9	1960.3	2194.1	2565.6	2787.1
67.5°	1851.6	1758.0	2007.0	2213.4	2455.6
70°	1540.7	1588.8	1991.9	1953.4	2150.1
72.5°	1279.3	1443.1	1758.0	1764.9	1903.9
75°	1045.5	1315.2	1544.9	1650.8	1696.2
77.5°	869.4	1192.7	1394.9	1432.1	1388.0
80°	729.1	1050.9	1220.2	1203.7	1141.7
82.5°	588.7	796.5	961.6	976.8	903.8
85°	415.4	577.8	705.8	709.9	654.8
87.5°	222.8	356.3	427.9	440.2	407.2
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)